

Notice of Allowability

Application No.

10/017,698

Examiner

Courtney Thomas

Applicant(s)

MILLER, ROBERT STEVEN

Art Unit

2882

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/3/04.
2. ☒ The allowed claim(s) is/are 1-12, 14-25 and 27-45.
3. ☒ The drawings filed on 03 May 2004 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Drawings

1. The drawings were received on 05.03.04. These drawings are acceptable.

Allowable Subject Matter

2. Claims 1-12, 14-25 and 27-45 are allowed.
3. The following is an examiner's statement of reasons for allowance:
4. **As per claim 1 and dependent claims 2-12**, the examiner found no reference in the prior art that disclosed or made obvious an integrated component mounting system for use in an X-ray tube comprising: a means for exerting and transmitting a radial force to a target anode wherein the means for exerting and transmitting a radial force controls radial movement of the target anode with respect to a longitudinal axis defined by the shaft, as recited in independent claim 1.
5. **As per claim 14 and dependent claims 15-25**, the examiner found no reference in the prior art that disclosed or made obvious an integrated component mounting system for use in an X-ray tube comprising: an X-ray tube target anode component that defines a first shaped surface and is disposed on a shaft between a nut and a support member; and a second shaped surface defined either by the shaft or by the nut and arranged for contact with the first shaped surface such that a radial force is applied to the target anode component with respect to the longitudinal axis defined by the shaft, as recited in independent claim 14.
6. **As per claim 27 and dependent claims 28-39**, the examiner found no reference in the prior art that disclosed or made obvious an X-ray tube, comprising: means for exerting and transmitting a radial force to a target anode wherein the means for exerting and transmitting a

radial force controls radial movement of the target anode with respect to a longitudinal axis defined by the shaft, as recited in independent claim 27.

7. **As per claim 40 and dependent claims 41-45**, the examiner found no reference in the prior art that disclosed or made obvious an integrated component mounting system for use in an X-ray tube comprising: a) an interface structure defining an opening and a first shaped surface and b) a second shaped surface defined either by a shaft or by a nut and arranged for contact with the first shaped surface such that a radial force is applied to a target anode with respect to the longitudinal axis defined by the shaft, as recited in independent claim 40.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: U.S. Patent 6,751,293 to Barrett discloses a rotary component support system for positioning and securing an anode of an X-ray tube.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Courtney Thomas whose telephone number is (571) 272-2496. The examiner can normally be reached on M - F (9 am - 5 pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ed Glick can be reached on (571) 272 2490. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CT
Courtney Thomas


EDWARD J. GLICK
SUPERVISORY PATENT EXAMINER